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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

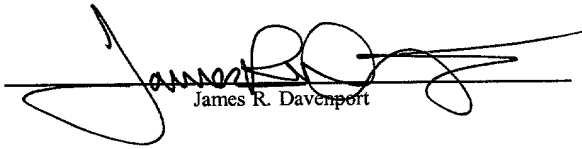
Box Patent Application  
Assistant Commissioner For Patents  
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of James Tiedje and Jae-Chang Cho for **Microbial Identification Chip Based On DNA-DNA Hybridization**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date **February 11, 2002** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV 008 739 716 US** addressed to: **Box Patent Application**, Assistant Commissioner For Patents, Washington, D.C. 20231.

  
James R. Davenport

1. Type Of Application

This new application is for a(n)

☒ Original (nonprovisional)

2. Benefit Of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

☒ The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.**

3. Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

37 Pages of Specification  
3 Pages of Claims  
1 Page of Abstract  
6 Sheets of Informal Drawings

4. Declaration

☒ Enclosed  
☒ Unexecuted.

5. Inventorship Statement

The inventorship for all the claims in this application is:

☒ the same

6. Language

☒ English

7. Assignment

☒ An assignment of the invention to **Michigan State University** is attached.  
☒ Form PTO-1595 will follow.

8. **Fee Calculation (37 C.F.R. § 1.16)**

☒ Regular application

**CLAIMS AS FILED**

| Number Filed  | Number Extra | Rate          | Basic Fee - \$740.00<br>(37 C.F.R. § 1.16(a)) |
|---|--------------|---------------|---|
| Total Claims (37 C.F.R. § 1.16(c))                        | 21 - 20 =    | 1 × \$18.00 = | \$18.00                                       |
| Independent Claims (37 C.F.R. § 1.16(b))                  | 3 - 3 =      | 0 × \$80.00 = | \$0.00  |
| Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d)) | + \$280.00 = |               | \$0.00  |
| <b>Filing Fee Calculation</b>                             |              |               | <b>\$758.00</b>                               |

9. **Applicant Claims Small Entity Status**

☒ See 37 C.F.R. § 1.27.

**Filing Fee Calculation (50% of above)** \$379.00

10. **Fee Payment Being Made At This Time**

☒ Enclosed

☒ basic filing fee

**Total Fees Enclosed** \$379.00

11. **Method of Payment of Fees**

☒ Check in the amount of \$379.00

12. **Authorization To Charge Additional Fees and Credit Overpayment**

☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.


13. **Power of Attorney by Assignee**

☒ Enclosed

14. **Return Receipt Postcard**

☒ Enclosed

Dated: February 11, 2002

  
Kamrin T. MacKnight  
Registration No.: 38,230

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☒ **Incorporation By Reference Of Added Pages**

☒ Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed

Number of pages added 1

ADDED PAGES FOR APPLICATION TRANSMITTAL  
WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

15. Relate Back

A. 35 U.S.C. §§ 119(e), 120, 121 and 365(c)

- ☒ This application for an original U.S. Utility Application claims priority to Provisional U.S. Patent Application Serial No. 60/296,982 filed on 06/07/01.

16. Further Inventorship Statement Where Benefit Of Prior Application(s) Claimed

- a. This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are  
☒ the same.
- b. This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are  
☒ the same.